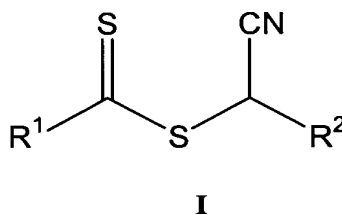


LOW ODOR CHAIN TRANSFER AGENTS FOR CONTROLLED RADICAL POLYMERIZATION

ABSTRACT OF THE DISCLOSURE

The present invention relates to low odor α -cyano-dithiocarboxylic ester compounds of formula I for use as chain transfer agents in free radical polymerizations, and polymerization processes employing them:



wherein

R¹ is selected from alkyl, substituted alkyl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, aryl, substituted aryl, alkoxy, aryloxy, thioalkyl, thioaryl, substituted thioalkyl, substituted thioaryl, secondary amino and tertiary amino;

R² is selected from alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, and COOR³; and

R³ is alkyl.